



NC/QC/W1/2022-23/LO/C1

Date: 13-02-2023

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kananagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE I.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	189min	Shall not be less than 30 min
2	Final setting time	281 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.74 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	2.09 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.67 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH: 0.00m to 30.00m

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NC/QC/W1/2022-23/LO/PCC1

Date: 13-02-2023

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	66.50	0 -20	30- 70
10mm	19.20	0 -5	10- 35
4.75mm	4.80	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	93.10	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	69.50	60-95	75-100	85-100	
01.18	59.80	30-70	55-90	75-100	
600 mic	46.20	15-34	35-59	60-79	
300 mic	20.90	5-20	8-30	12-40	
150 mic	7.50	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work
Beside Yelahanka Lake CH. 0.00m to 30.00m

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NC/QC/W1/2022-23/LO/PCC2

Date: 14-02-2023

1. TESTING OF COARSE AND FINE AGGREGATES:**Sub:** Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kananagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,

Yelahanka Sub division,

BBMP, Bangalore

Name of the Agency/Contractor*: Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	53.90	0 -20	30- 70
10mm	25.40	0 -5	10- 35
4.75mm	2.60	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.00	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	85.20	60-95	75-100	85-100	
01.18	64.90	30-70	55-90	75-100	
600 mic	36.50	15-34	35-59	60-79	
300 mic	22.80	5-20	8-30	12-40	
150 mic	7.40	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH. 266 10m to 296 10m

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NC/QC/WI/2022-23/LO/FA1

Date: 17-02-2023

1. TESTING OF FINE AGGREGATES:

Sub Testing of Fine Aggregates.

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TABLE - 1.1: SIEVE ANALYSIS.

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	
04.75	95.30	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	78.80	60-95	75-100	85-100	
01.18	69.50	30-70	55-90	75-100	
600. mic	39.70	15-34	35-59	60-79	
300 mic	13.10	5-20	8-30	12-40	
150 mic	8.50	0-10	0-10	0-10	

TABLE 1.2:

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	18.94 %	-----
2	Silt Content	----	0.74 %	Not more than 8%
3	Specific Gravity	----	2.61	-----

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH. 176.10m to 206.10m

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NC/QC/W1/2022-23/LO/CA1

Date: 17-02-2023

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempgowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sn. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

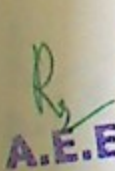
Table - 1.1: SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
		Single size	Graded
40 mm	100.00	100 00	100 00
20 mm	95.30	85-100	90 - 100
10 mm	29.10	0 - 20	25 - 55
4.75 mm	8.70	0 - 5	0 - 10

TABLE 1.2

SL No	Test conducted	Results	Requirements as per IS 383-1970 & Tests Conforms to IS 2386(Part I to IV) - 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.70 %	Not to exceed 25 %
2.	Crushing value	28.91 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH. 176 10m to 206.10m


A.E.E.


AG-01





NC/QC/W1/2022-23/LO/CBI

Date: 27-02-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kananagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor* Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	20-02-23	27-02-23	07	22500	350	15.56	15.85
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	355	15.78	

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH: 30.00m to 60.00m

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NC/QC/W1/2022-23/LO/CB2

Date: 28-02-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05.}

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor* Sn. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	21-02-23	28-02-23	07	22500	340	15.11	14.74
	002	"	"	"	"	330	14.67	
	003	"	"	"	"	325	14.44	

The result of the materials tested meets the standards and hence can be used for the work
Beside Yelahanka Lake CH. 206.10m to 236.10m

A.E.E.

AG-07





NC/QC/W1/2022-23/LO/CB3

Date: 02-03-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength)

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	23-02-23	02-03-23	07	22500	370	16.44	16.00
	002	"	"	"	"	350	15.56	
	003	"	"	"	"	360	16.00	

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH 356 10m to 386 10m

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NC/QC/W1/2022-23/LO/CB4A

Date: 27-03-2023

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength)

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor* Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	27-02-23	27-03-23	28	22500	495	22.00	21.48
	002	"	"	"	"	480	21.33	
	003	"	"	"	"	475	21.11	

The result of the materials tested meets the standards and hence can be used for the work.
Beside Yelahanka Lake CH 446 10m to 476 10m

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NC/QC/W1/2022-23/LO/CB6

Date: 08-03-23

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05.)

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	01-03-23	08-03-23	07	22500	315	14.00	14.52
	002	"	"	"	"	330	14.67	
	003	"	"	"	"	335	14.89	

The result of the materials tested meets the standards and hence can be used for the work
Vikas Layout Main Road LHS From 2nd Main Road

A.E.E

AE-01



NC/QC/W1/2022-23/LO/CB7A

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Date: 31-03-2023

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

(Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kananagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05.)

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	03-03-23	31-03-23	28	22500	490	21.78	21.41
	002	"	"	"	"	485	21.56	
	003	"	"	"	"	470	20.89	

The result of the materials tested meets the standards and hence can be used for the work.
Vikas Layout 2nd Main Road LHS From Main Road

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/W1/2022-23/LO/W1

Date: 31-03-23

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
[Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05.]
Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

1. Gradation Test:

Location : Canadian International School Road

TABLE 1.1

Sample WMM = Total Weight of the Sample (gm) : 1000.00					
Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	0.00	0.00	0.00	100.00	100
45.00	12.00	12.00	1.20	98.80	95-100
26.50	---	---	---	---	-
22.40	347.00	359.00	35.90	64.10	60-80
11.20	201.00	560.00	56.00	44.00	40-60
4.75	184.00	744.00	74.40	25.60	25-40
2.36	96.00	840.00	84.00	16.00	15-30
0.600	78.00	918.00	91.80	8.20	8-22
0.075	69.00	987.00	98.70	1.30	0-5
Pan	13.00	1000.00	100.00	0.00	---

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NC/QC/W1/2022-23/LO/W2

Date: 31-03-2023

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

(Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05)

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,

Yelahanka Sub division,

BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

1. Gradation Test:

Location : Canadian International School Road

TABLE 1.1

Sample WMM = Total Weight of the Sample (gm) : 1000.00					
Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	0.00	0.00	0.00	100.00	100
45.00	49.00	49.00	4.90	95.10	95-100
26.50	---	---	---	---	-
22.40	300.00	349.00	34.90	65.10	60-80
11.20	236.00	585.00	58.50	41.50	40-60
4.75	124.00	709.00	70.90	29.10	25-40
2.36	109.00	818.00	81.80	18.20	15-30
0.600	92.00	910.00	91.00	9.00	8-22
0.075	82.00	992.00	99.20	0.80	0-5
Pan	8.00	1000.00	100.00	0.00	---

A.E.E

12-07





2. Properties of Aggregates:

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS 383-1970 & M o R T H Specification, V Revision -2013.
1.	Aggregate Impact Value	28.51 %	Not more than 30 00 %
2.	Combined Flakiness and Elongation index, %	28.82 %	Not more than 35 0 %
3.	Water absorption, %	0.46 %	Not more than 2 0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

The result of the materials tested meets the standards and hence can be used for the work
Canadian International School Road CH: 345.00m to 392.70m

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A.E.E
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NC/QC/W1/2022-23/LO/CD1

Date: 04-04-2023

1. TEST REPORT ON COARSE AGGREGATE:

Sub Testing of Coarse Aggregate used in Dense Graded Bituminous Macadam.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sn. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TABLE 1.1 ;

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS 383-1970 & M o R T H Specification, V Revision -2013.
1.	Aggregate Impact Value	23.80 %	Not more than 27 00 % for DBM
2.	Combined Flakiness and Elongation index, %	28.11 %	Not more than 35 0 %
3.	Water absorption, %	0.44 %	Not more than 2 0 %
4.	Specific gravity	2.61	-----
5.	Soundness	6.91 %	Max. 12 % in Sodium Sulphate

The result of the materials tested meets the standards and hence can be used for the work
Canadian International School Road

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A.E.E.





NC/QC/W1/2022-23/LO/DBM1

Date: 05-04-2023

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for DBM mix sample.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kananagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempagowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

A Type of Construction : Dense Graded Bituminous Macadam.

Location: Canadian International School Road

1. BITUMEN EXTRACTION TEST – DBM

TABLE 1.1

Sl no.	Description	Index	C1
1	Weight of the Sample, gm	S1	500.00
2	Weight of the Sample After Extraction, gm	S2	478.00
3	Initial weight of Filter paper, gm	F1	4.50
4	Final weight of Filter paper, gm	F2	5.30
5	Difference in weight of Filter Paper, gm	$F = F2 - F1$	0.80
6	Bitumen Content, %	$\frac{S1 - S2 + F}{S1} \times 100$	4.56





2 Gradation Test – Extraction Sample TABLE 2.1

Sample C1 DBM = Total Weight of the Sample (gm) : 478.00

Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Gradation requirement as per Table 500-10 of MORTH Specifications-2013 DBM (Grading - 2)
37.5	0.00	0.00	0.00	100.00	100
26.5	15.00	15.00	3.14	96.86	90-100
19.0	108.00	123.00	25.73	74.27	71-95
13.20	55.00	178.00	37.24	62.76	56-80
4.75	76.00	254.00	53.14	46.86	38-54
2.36	61.00	315.00	65.90	34.10	28-42
0.300	104.00	419.00	87.66	12.34	7-21
0.075	33.00	452.00	94.56	5.44	2-8
Pan	26.00	478.00	100.00	0.00	---

3. Properties of DBM (Gr-2) Mix - Stability of Bituminous Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Dense Bituminous Macadam, Grade-2 as per M.O.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1236	900
2	Marshall Flow at 60°C, mm.	3.59	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work
Canadian International School Road CH. 11.20m to 32.70m

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A.E.E





IC/QC/W1/2022-23/LO/DBM3

Date: 06-04-2023

TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for DBM mix sample.

Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Vaste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Anakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

A Type of Construction : Dense Graded Bituminous Macadam.

Location: Canadian International School Road

1. BITUMEN EXTRACTION TEST – DBM

TABLE 1.1

Sl no.	Description	Index	C1
1	Weight of the Sample, gm	S1	510.00
2	Weight of the Sample After Extraction, gm	S2	488.00
3	Initial weight of Filter paper, gm	F1	4.60
4	Final weight of Filter paper, gm	F2	5.60
5	Difference in weight of Filter Paper, gm	F= F2-F1	1.00
6	Bitumen Content, %	$\frac{S1-S2+F}{S1} \times 100$	4.51

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A.E.E. AS-07



2. Gradation Test – Extraction Sample TABLE 2.1

Sample C1 DBM = Total Weight of the Sample (gm) : 487.00

Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Gradation requirement as per Table 500-10 of MORTH Specifications-2013 DBM (Grading - 2)
7.5	0.00	0.00	0.00	100.00	100
6.5	23.00	23.00	4.72	95.28	90-100
9.0	96.00	119.00	24.44	75.56	71-95
3.20	90.00	209.00	42.92	57.08	56-80
1.75	79.00	288.00	59.14	40.86	38-54
2.36	53.00	341.00	70.02	29.98	28-42
3.00	84.00	425.00	87.27	12.73	7-21
0.75	49.00	474.00	97.33	2.67	2-8
Pan	13.00	487.00	100.00	0.00	---

Properties of DBM (Gr-2) Mix - Stability of Bituminous Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Dense Bituminous Macadam, Grade-2 as per M.O.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1174	900
2	Marshall Flow at 60°C, mm.	3.64	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work
Canadian International School Road CH: 375.00m to 675.70m

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NC/QC/W1/2022-23/LO/DBM7

Date: 10-04-2023

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for DBM mix sample

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka - 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03, 04 and 05 }

Ref. Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sri SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

A. Type of Construction : Dense Graded Bituminous Macadam.

Location:

1. BITUMEN EXTRACTION TEST – DBM

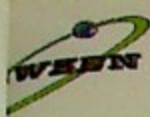
TABLE 1.1

Sl no.	Description	Index	CI
1	Weight of the Sample, gm	S1	500.00
2	Weight of the Sample After Extraction, gm	S2	477.00
3	Initial weight of Filter paper, gm	F1	4.00
4	Final weight of Filter paper, gm	F2	4.30
5	Difference in weight of Filter Paper, gm	F = F2-F1	0.30
6	Bitumen Content, %	$\frac{S1-S2+F}{S1} \times 100$	4.66

A.E.E

AE-07





NC/QC/W1/2022-23/LO/BB1

Date: 10-02-2023

1. TEST REPORT ON BITUMEN SAMPLE:

Sub: Testing of Bitumen sample VG-30 Grade.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt School Ground (Sy No5) in ward no 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

Technical Reference: Ministry of Road Transport and Highways, V Revision, 2013 and IS 73: 1992

TABLE 1.1 :

SL No	Details	Test Results	Requirements as per IS 73-1992 Specifications
1.	Penetration at 25 ⁰ C	50.10 ⁰ C	Min 45
2.	Ductility Value at 25 ⁰ C	104.0 cm	40
3.	Flash point	246 ⁰ C	Minimum 220 ⁰ C
4.	Softening point	51.80 ⁰ C	Min 47

The result of the materials tested meets the standards and hence can be used for the work
Canadian International School Road

A.E.E. 16-07



NC/QC/W1/2022-23/LO/BC1

Date: 11-04-2023

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample.

{Project* Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor* Sn. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

A. Type of Construction : Bituminous Concrete

Location: Canadian International School Road

1. BITUMEN EXTRACTION TEST – BC

TABLE 1.1

Sl no.	Description	Index	C1
1	Weight of the Sample, gm	S1	500.00
2	Weight of the Sample After Extraction, gm	S2	473.00
3	Initial weight of Filter paper, gm	F1	4.00
4	Final weight of Filter paper, gm	F2	4.60
5	Difference in weight of Filter Paper, gm	F = F2-F1	0.60
6	Bitumen Content, %	$\frac{S1-S2+F}{S1} \times 100$	5.52

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NC/QC/W1/2022-23/LO/BC3

Date: 11-04-2023

1. TEST REPORT ON BITUMINOUS MIXES :

(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: To determine the percentage of bitumen and gradation for BC mix sample

{Project*} Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore

Name of the Agency/Contractor*: Sn. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

TEST RESULTS

A. Type of Construction : Bituminous Concrete

Location: Canadian International School Road

1. BITUMEN EXTRACTION TEST – BC

TABLE 1.1

Sl no.	Description	Index	C1
1	Weight of the Sample, gm	S1	510.00
2	Weight of the Sample After Extraction, gm	S2	483.00
3	Initial weight of Filter paper, gm	F1	4.00
4	Final weight of Filter paper, gm	F2	4.90
5	Difference in weight of Filter Paper, gm	F= F2-F1	0.90
6	Bitumen Content, %	$\frac{S1-S2+F}{S1} \times 100$	5.47

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46-07
A.E.E





2. Gradation Test – Extraction Test

TABLE 2.1

Sample C1 BC = Total Weight of the Sample (gm) : 521.00					
Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Gradation requirement as per Table 500-17 of MORTH Specifications-2013 BC (Grading - 2)
19.0	0.00	0.00	0.00	100.00	100
13.2	49.00	49.00	9.40	90.60	90-100
9.5	84.00	133.00	25.53	74.47	70-88
4.75	61.00	194.00	37.24	62.76	53-71
2.36	96.00	290.00	55.66	44.34	42-58
1.18	42.00	332.00	63.72	36.28	34-48
0.600	37.00	369.00	70.83	29.17	26-38
0.300	49.00	418.00	80.23	19.77	18-28
0.150	24.00	442.00	84.84	15.16	12-20
0.075	39.00	481.00	92.32	7.68	4-10
Pan	40.00	521.00	100.00	0.00	---

3. Properties of BC (Gr-2) Mix - Stability of Bituminous Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.O.R.T&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1325	900
2	Marshall Flow at 60°C, mm.	3.09	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work
Vikas layout Main Road CH: 0.00m to 30.00m

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2. Gradation Test – Extraction Test

TABLE 2.1

Sample C1 BC = Total Weight of the Sample (gm) : 492.00					
Sieve Size, mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Gradation requirement as per Table 500-17 of MORTH Specifications-2013 BC (Grading - 2)
19.0	0.00	0.00	0.00	100.00	100
13.2	35.00	35.00	7.11	92.89	90-100
9.5	65.00	100.00	20.33	79.67	70-88
4.75	96.00	196.00	39.84	60.16	53-71
2.36	60.00	256.00	52.03	47.97	42-58
1.18	57.00	313.00	63.62	36.38	34-48
0.600	45.00	358.00	72.76	27.24	26-38
0.300	42.00	400.00	81.30	18.70	18-28
0.150	23.00	423.00	85.98	14.02	12-20
0.075	49.00	472.00	95.93	4.07	4-10
Pan	20.00	492.00	100.00	0.00	---

3. Properties of BC (Gr-2) Mix - Stability of Bituminous Mix

Sl. No.	Test Property	*Test results obtained by Marshall method	Requirements of Bituminous Concrete, Grade-2 as per M.O.R.T.&H (V Revision)-2013 Specifications
1	Marshall Stability (75 blows) (At 60°C), kgs.	1347	900
2	Marshall Flow at 60°C, mm.	3.65	2.0 - 4.0

The result of the materials tested meets the standards and hence can be used for the work
Vikas layout 3rd Cross Road 2nd Main Road CH. 18.50m to 48.50m

P
AG-07



A.E.E



NC/QC/W1/2022-23/LO/S2

Date: 06-04-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Precast Slab (150mm thick).

{Project*} Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kankanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref.: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON PRECAST SLAB:

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
0.00	90.00	0.422	2388.03	1.80	0.960	31.65	16.12	17.41	16.71	20.89
0.00	90.00	0.407	2303.15	1.80	0.960	32.98	16.80	18.14	17.41	21.77
0.00	90.00	0.415	2348.42	1.80	0.960	32.04	16.32	17.62	16.92	21.15

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Beside Yelahanka Lake CH: 30.00m to 60.00m

R.S.
A.E.E





NC/QC/W1/2022-23/LO/S3

Date: 10-04-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Precast Slab (150mm thick).

(Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON PRECAST SLAB:

Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
50.00	90.00	0.418	2365.40	1.80	0.960	32.90	16.76	18.10	17.37	21.72
50.00	90.00	0.426	2410.67	1.80	0.960	33.60	17.11	18.48	17.74	22.18
50.00	90.00	0.412	2331.44	1.80	0.960	30.40	15.48	16.72	16.05	20.07

The result of the materials tested meets the standards and hence can be used for the work.

Sample Collected Site : Beside Yelahanka Lake CH: 386.10m to 416.10m

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A.E.E

A.E.E





NC/QC/W1/2022-23/LO/K1

Date: 11-04-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.

(Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05 }

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON KERB STONES:

Sl No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	85.00	0.387	2318.79	1.70	0.960	31.50	16.04	17.33	16.63	20.79
2	50.00	85.00	0.392	2348.75	1.70	0.960	32.90	16.76	18.10	17.37	21.72
3	50.00	85.00	0.384	2300.82	1.70	0.960	32.30	16.45	17.77	17.06	21.32

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Vikas Layout 3rd Cross Road

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(Signature)

A.E.E





NC/QC/W1/2022-23/LO/K2

Date: 2-04-2023

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.

{Project*: Improvements, developments and Construction Of Lead Off Drain From Venkata Lake View Layout To Yelahanka 4 Waste Weir and Samudaya Bhavana at Ambedkarnagara and Additional floor to Someswara temple Samudaya Bhavana and Kanakanagara Samudaya bhavana, Additional Improvements to Garadi mane and Developmental Of Balanace Roads In Kempegowda Ward, Providing Chain link Fencing to Doddabettahalli Govt. School Ground (Sy No5) in ward no. 01, 03,04 and 05.}

Ref: Material testing/PMC/22-23,

Report Required for: Assistant Executive Engineer,

Yelahanka Sub division,

BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. SHANKARAPPA T K (MESPC INFRA PROJECTS PRIVATE LIMITED)

1. PHYSICAL TESTS ON KERB STONES:

Sl No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m ³)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm ²)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm ²)	Equivalent Cube Compressive Strength (N/mm ²)
1	50.00	85.00	0.387	2318.79	1.70	0.960	33.10	16.86	18.21	17.48	21.85
2	50.00	85.00	0.392	2348.75	1.70	0.960	32.00	16.30	17.60	16.90	21.12
3	50.00	85.00	0.384	2300.82	1.70	0.960	32.80	16.70	18.04	17.32	21.65

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site Vikas Layout 2nd Main Road

[Signature]
A.E.E

